·79-#519-#7711

APPENDIX GEOPHYSICAL REPORT #2
ON A
VECTOR PULSE ELECTROMAGNETOMETER SURVEY
RAINBOW SYNDICATE

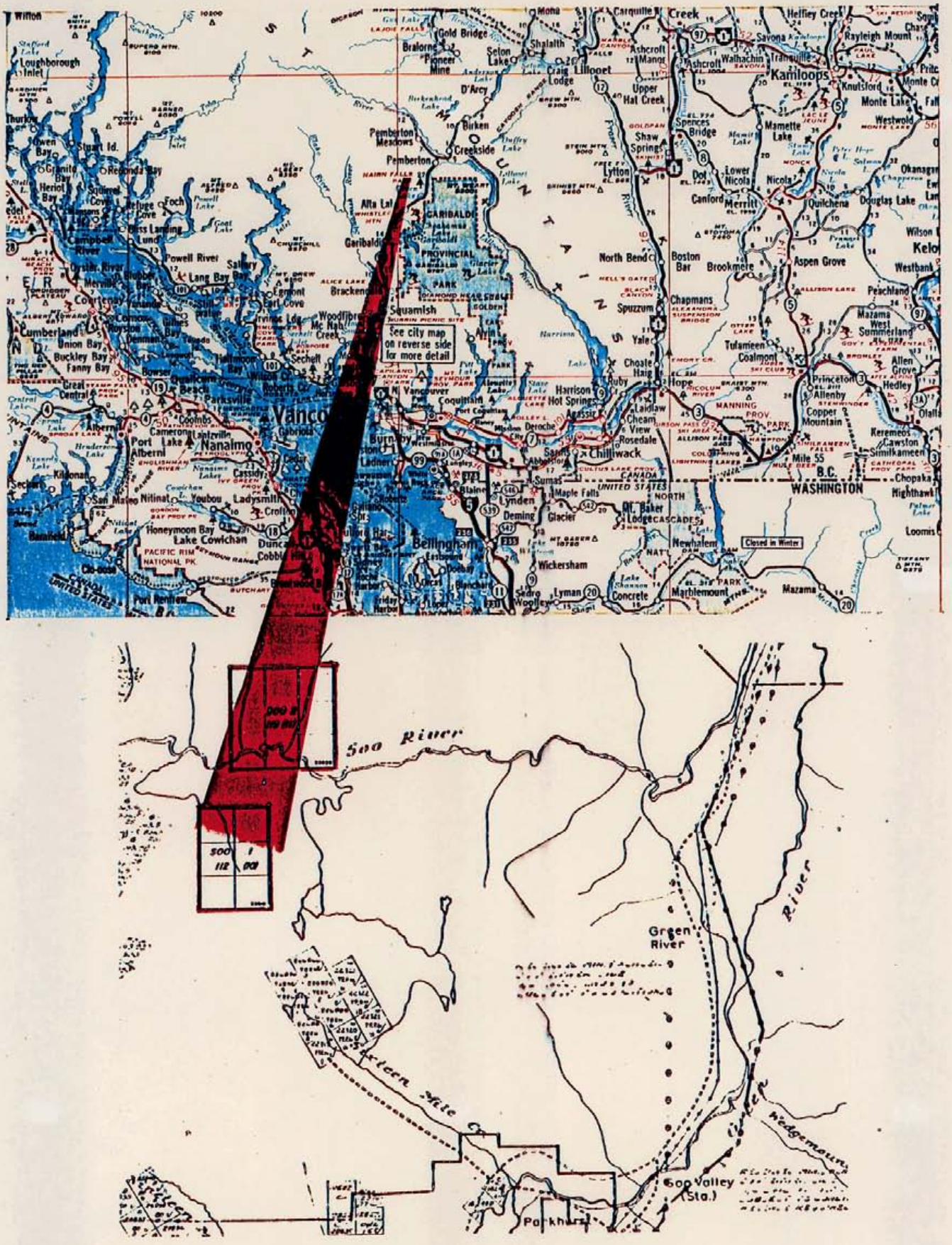
Soo #1 mineral claim, Soo River area, Vancouver Mining Division, B. C.
Latitude 50°14'N Longitude 122°57'W N.T.S. 92 J/2E

AUTHOR: Glen E. White, B.Sc., P. Eng.

DATE OF WORK: July 5 and 6, 1979

DATE OF REPORT: August 10, 1979

C O N T E N T S



RAINBOW SYNDICATE

LOCATION AND CLAIM MAP

SOO CLAIMS

Geo. E. White
geophysical consulting
services ltd

SCALE: 1" = 40 MILES

FIG 1

INTRODUCTION

The Soo #1 mineral claim covers a steep mountainside and a v-shaped creek valley. The Rainbow Syndicate detected strongly anomalous copper and zinc geochemical values in the stream silts. Subsequently, a horizontal loop pulse electromagnetometer survey was undertaken in 1977. This was followed by a deep penetrating vector pulse electromagnetometer test in October 14, 1978. Strong horizontal component variations were detected which could possibly indicate conductive materials. However, finding a suitable primary loop position was complicated by the steep topography. Thus, this survey was undertaken with a different loop position to try and assist in delineating the possible conductor.

PROPERTY

The survey work was undertaken on the Soo #1 mineral claim which is illustrated on Figure 1.

LOCATION AND ACCESS

Access to the Soo #1 claim is by logging road up Sixteen Mile Creek at the north end of Green Lake, Latitude 50°14'N, Longitude 122°57'W, N.T.S. 92 J/2W.

VECTOR PULSE ELECTROMAGNETOMETER SURVEY

The pulse electromagnetometer system is a time domain E,M, system which can be used in the standard horizontal loop mode or deep penetrating vector mode.

The primary field for the horizontal loop survey is obtained from a transmit loop 6 meters in diameter laid out horizontally on the ground and energized by a pulse of 20 amps at 24 volts with an on-off time of 10.8 ms. The receive coil is generally spaced 25 - 100 meters from the transmit loop. Both are moved simulataneously from station to station. The secondary field signal on the receive coil is sampled and averaged for 10 seconds and then stored for readout. Eight samples of the secondary field are obtained with increasing window wodths during the primary field off tiem. Time synchronization is by radio link or cable.

The eight channels of secondary field information are equivalent to a wide spectrum of frequencies from approximately $2KH_z$ to $16H_z$ which allows for determination of overburden effects and penetration of conductive overburden. Since the secondary field is measured directly furing the primary field off time, the pulse method is relatively free of geometrical restrictions between the transmit and receive coil positions, such as topography interference and coil alignment.

The primary field for the vector EM technique is obtained from a small turam type loop of 152 (500 ft.) per side which is energized with a current of some 25 amps at 24 volts. A scalar vector is obtained by determining the horizontal and vertical components of the secondary field. A right angle to this resultant vector points to the eddy current position. See Appendix for diagrems.

DISCUSSION OF RESULTS

Figures 3 - 14 illustrate the vector component profiles. The amplitude of the responses from this loop are much less than with loop A which possibly indicates minimum coupling to the previously indicated conductor. In time-domain electromagnetics, the responses, particularly in the later channels, should not be caused by topography excepting that the response sould vary only with respect to the angle of intersection of the primary field with the conductor as influenced by the topography. Thus a response into channels 4 - 8 would indicate a conductor and it becomes a matter of interpreting the variation in response.

Line 6S, Figures 3 and 4, show late channel variations at 100E and 700E. The response at 100E is associated with possibly a fault or mineral zone in the creek, whereas that at 700E is a northward extension of the principal conductor trend indicated on Figure 2. Figure 6 shows a definite vertical component crossover indication at 900E in channels 2 - 4. Lines 16S and 20S give a sharp inflection at 300E and 500E respectively which would indicate a conductor associated with the creek valley such as a fault.

Line 24S, the horizontal component, Figure 11, gives a conductor response at 300E and 600E. The response at 600E is also reflected by the vertical component. Line 28S yields conductor indications at 300E and 900E.

Vector sections 15 and 16 of line 20S are typical and show no vector focusing. Both loops however, indicate a variation in the secondary electrical field along the creek bottom. The principal conductor shown on Figure 2 is also suggested by both the A and B loops. It would appear that loop B gives minimum coupling to the conductor, suggesting a possible easterly dip.

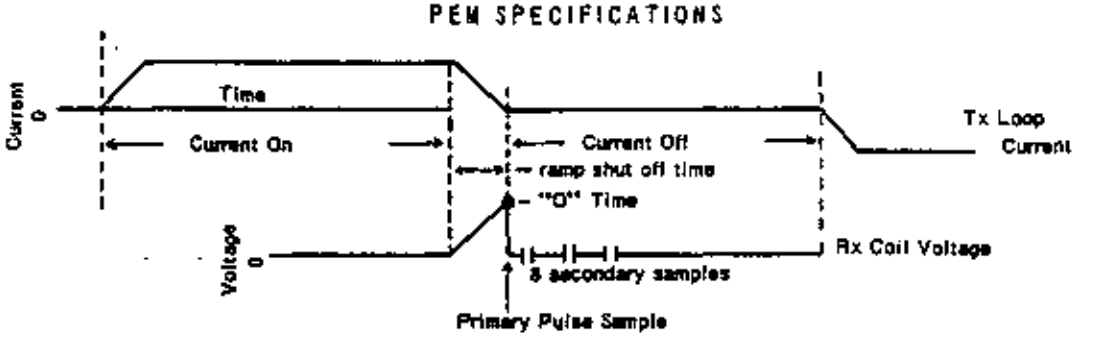
CONCLUSION AND RECOMMENDATIONS

The present vector electromagnetometer survey data obtained from loop B did not show the same pronounced target as did loop A. It would appear that loop B was possibly well upslope on the hanging wall side of an easterly dipping conductor and thus gave minimum coupling. Subtle responses were obtained however, which support the main conductor trend shown in Figure 2 as being a viable diamond drill target. It is suggested that line 24S - 700E be tested by diamond drilling.

Respectfully submitted,
GLEN E. WHITE GEOPHYSICAL
CONSULTING & SERVICES LTD.

Glen E. White, B.Sc., P.Eng.
Consulting Geophysicist

PEM SPECIFICATIONS



Current Off time: 9.4 ms
Current on time: 10.8 ms
Current shut off (ramp) time: 1.4 ms
Sample times (zero to centre of sample): .15ms, .45ms, .85ms, 1.45ms, 2.45ms, 3.75ms, 5.85ms, 8.85ms.

Sample width: 100 us
Zero time set at drop off point of primary pulse

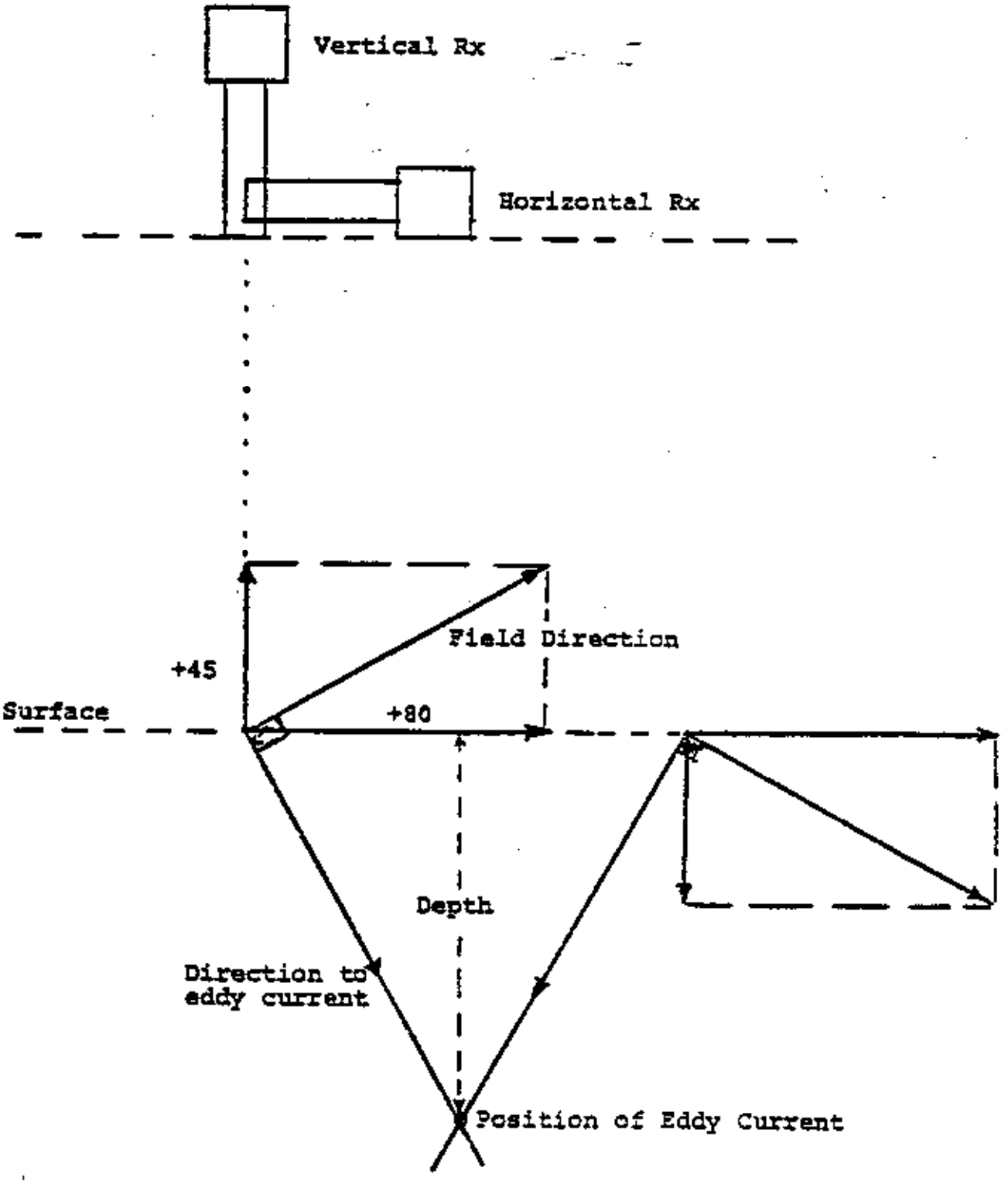
TRANSMITTER -- Transmitter power and loop size may be increased to obtain increased penetration. Weight, portability and power capabilities of the control instrument are the limiting factors. The standard transmitter is designed to be carried by two men.

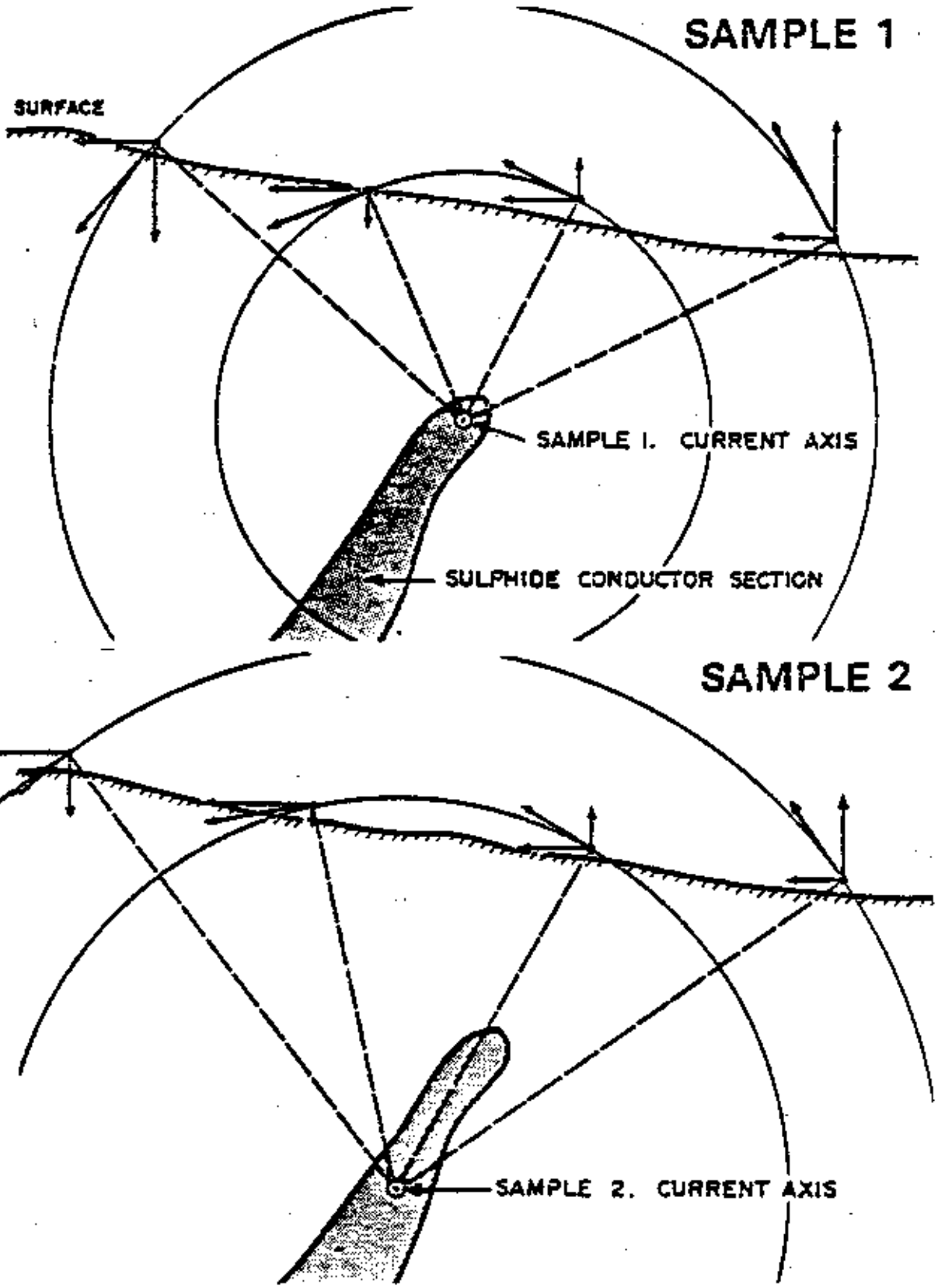
Loop diameter	– minimum 4 meters (13 feet)
Loop current	– 15 to 20 amps
Loop applied voltage	– 24 volts
Loop output	– minimum 4500 amps x meter ^{2}
Loop weight	– 11.6 kilos (25 lb)
Control unit weight	– 10 kilos (22 lb)
Control unit dimensions	– 20.5cm x 25.5cm x 36.5cm (8" x 10" x 14.5")
Battery supply weight	– 18.1 kilos (40 lb)
Battery supply	– 2 of 12 volt, 14 to 20 ampere hour

Timing control by radio synchronization

RECEIVER

- Receive coil dimensions: 55cm x 15cm (22" x 6")
- Receive coil weight: 4.5 kilos (10 lb)
- Preamplifier in coil
- Preamplifier batteries: 2 of 9 volt
- Receive coil tripod mounted
- Receiver measuring instrument dimensions: 28cm x 18cm x 21.5cm (11" x 7" x 9")
- Receiver measuring instrument weight: 6.3 kilos (14 lb)
- Timing control by radio synchronization
- Primary sample width: 100 μs
- Primary sample can be swept through primary pulse by means of a time calibrated pot
- Zero time set at primary pulse drop-off
- Secondary samples (eight of them) width: 100 μs
- Secondary samples time (zero to middle of sample): (1) .15ms (2) .45ms (3) .85ms (4) 1.45ms (5) 2.45ms (6) 3.75ms (7) 5.85ms (8) 8.85ms
- Automatic sampling for 5 seconds then all samples automatically stored
- Sample read out by means of meter
- Continuous sampling possible by switching function switch to "Continuous"
- Noise can be monitored by switching function switch to "Noise"
- Battery supply: 24 volt rechargeable, 2 of 12 volt Gel GC 12-15


Vertical Rx
Horizontal Rx
Field Direction
+45
Surface
+90
Depth
Direction to
eddy current
Position of Eddy Current



Location of the Current Path in the Conductor

EXPENSES RE: GEOPHYSICAL SURVEY

Soo 1 Mineral Claim

Record No. 112(10)

·79-#519-#

S. Quin & M. Dowad, July 2,3,4 @ $60./day - brushing out grid lines	$ 360.00
S. Quin & M. Dowad, July 5,6 mobilizing & demobilizing geophysical equipment @ $60./day	240.00
J. McGoran, 1 day mobilization of geophysical equipment and 2 day geophysicist assistant, July 4,5,6 @ $100./day	300.00
Rental 4x4 crewcab, 5 days @ $20./day plus fuel	132.00
Room and Board, 15 man days @ $30./day	450.00
Topofil thread, felt pens, files and prorated liability insurance etc.	58.50
G. White geophysical consultants	1,590.00
	$3,130.50

Glen E. White GEOPHYSICAL CONSULTING & SERVICES LTD.

9251 Beckwith Road, Richmond, British Columbia, V6X 1V7 Telephone: (604) 273-6962

August 16, 1979

Mr. J. McGoran
Rainbow Syndicate
615 - 744 W. Hastings St.
Vancouver, B. C.

INVOICE #128

To Professional Services -

Glen E. White Geophysical Consulting & Services Ltd.

July 5, 6/1979 @ $350/day	$700.00
Computer processing	240.00
Interpretation and report	650.00
Total	$1590.00

Amount of this invoice $1590.00

STATEMENT OF QUALIFICATIONS

Name:	WHITE, Glen E. , P. Eng.
Profession:	Geophysicist
Education:	B.Sc. Geophysics - Geology University of British Columbia
Professional Associations:	Registered Professional Engineer, Province of British Columbia
	Associate member of Society of Exploration Geophysicists.
	Past President of B. C. Society of Mining Geophysicists
Experience:	Pre-Graduate experience in Geology - Geochemistry - Geophysics with Anaconda American Brass.
	Two years Mining Geophysicist with Sulmac Explorations Ltd. and Airborne Geophysics with Spartan Air Services Ltd.
	One year Mining Geophysicist and Technical Sales Manager in the Pacific north-west for W. P. McGill and Associates.
	Two years Mining Geophysicist and supervisor Airborne and Ground Geophysical Divisions with Geo-X Surveys Ltd.
	Two years Chief Geophysicist Tri-Con Exploration Surveys Ltd.
	Eight years Consulting Geophyicist.
	Active experience in all Geologic provinces of Canada.

CHANNEL			1	2	3	4	5	6	7	8	GAIN
LINE	STAT		LOOP	8							
8S	100W	VER:	-100	-67	-43	-25	-20	-7	-10	-16	0.55
		HOR:	-200	-83	-23	-20	-16	-23	-18	-14	
8S	0E	VER:	-103	-68	-48	-41	-25	16	41	25	0.60
		HOR:	-233	-93	-35	-11	-3	5	8	13	
8S	100E	VER:	-141	-85	-48	-28	-13	0	0	-6	0.60
		HOR:	-183	-83	-30	-16	-5	0	-5	-8	
8S	200E	VER:	-153	-95	-46	-23	-10	-1	0	-3	0.65
		HOR:	-184	-93	-38	-18	-3	0	-3	-3	
8S	300E	VER:	-158	-87	-46	-29	-15	-2	-4	-3	0.82
		HOR:	-152	-65	-21	-9	4	6	4	9	
8S	400E	VER:	-147	-71	-34	-17	-9	-3	-1	-1	0.95
		HOR:	-126	-50	-24	-9	1	3	7	5	
8S	500E	VER:	-120	-62	-28	-11	-1	3	3	0	1.00
		HOR:	-85	-36	-14	-6	-1	1	-2	1	
8S	600E	VER:	-87	-48	-28	-12	-1	6	14	4	1.00
		HOR:	-68	-27	-9	-3	-3	-3	-3	-5	
8S	700E	VER:	-73	-36	-17	-10	-4	-1	1	-1	1.00
		HOR:	-30	-13	-5	-3	-5	-5	-5	-4	
8S	800E	VER:	-67	-35	-17	-11	-6	-3	-2	-4	1.00
		HOR:	-25	-11	-5	-4	-1	-1	0	0	
8S	900E	VER:	-46	-26	-13	-8	-4	-1	0	-2	1.00
		HOR:	-12	-4	0	-1	-1	-4	-4	2	
8S	1000E	VER:	-39	-23	-10	-6	-3	0	2	0	1.00
		HOR:	-11	-6	-4	-3	-1	-1	0	1	
8S	1100E	VER:	-35	-21	-12	-9	-4	-2	1	0	1.00
		HOR:	-2	2	5	2	0	-3	-5	1	
8S	1200E	VER:	-35	-20	-9	-6	-2	0	1	0	1.00
		HOR:	-3	-4	-2	-2	0	1	1	1	
LINE	STAT		LOOP	8							
12S	200W	VER:	-40	-37	-33	-26	-11	-6	-11	2	0.45
		HOR:	-222	-84	-40	4	13	15	8	-28	
12S	100W	VER:	-69	-45	-27	-20	-10	-7	-1	1	0.55
		HOR:	-163	-65	-27	-10	1	0	0	12	
12S	0E	VER:	-97	-49	-24	-16	-8	-2	2	2	0.85
		HOR:	-235	-82	-30	-14	-4	-2	-7	-2	
12S	100E	VER:	-133	-60	-31	-20	-12	-5	0	1	0.90
		HOR:	-255	-83	-26	-11	-3	-1	1	-1	
12S	200E	VER:	-166	-68	-31	-16	-7	-2	1	0	0.90
		HOR:	-333	-96	-25	-6	-2	-1	-3	-3	
12S	300E	VER:	-190	-72	-31	-15	-8	-4	-1	-1	1.00
		HOR:	-250	-77	-28	-11	-2	3	7	3	
12S	400E	VER:	-130	-55	-25	-15	-8	-3	0	0	1.00
		HOR:	-130	-46	-16	-9	0	1	3	1	
12S	500E	VER:	-110	-40	-20	-12	-6	-2	0	0	1.00
		HOR:	-78	-28	-8	-4	0	1	1	-1	
12S	600E	VER:	-85	-37	-20	-13	-7	-3	1	3	1.00
		HOR:	-52	-16	-2	-4	-4	-4	-3	0	

CHANNEL			1	2	3	4	5	6	7	8	GAIN
12S	700E	VER:	-53	-22	-7	-1	0	-1	4	15	1.00
		HOR:	-27	-14	-5	-3	0	1	2	0	
12S	800E	VER:	-32	-12	-4	-5	-5	-5	2	1	1.00
		HOR:	-13	-7	-3	-2	0	0	-1	-2	
12S	900E	VER:	-26	-14	-8	-6	-3	-1	1	1	1.00
		HOR:	-7	-5	-2	-2	0	0	0	0	
12S	1000E	VER:	-23	-16	-12	-10	-7	-3	0	0	1.00
		HOR:	-7	-4	-3	-3	0	-1	-1	-1	
12S	1100E	VER:	-12	-6	-3	-2	-1	0	2	0	1.00
		HOR:	-4	-3	-1	-1	0	0	0	-1	
12S	1200E	VER:	-9	-7	-5	-5	-3	-2	0	-1	1.00
		HOR:	0	0	0	-2	-2	-2	-3	-1	

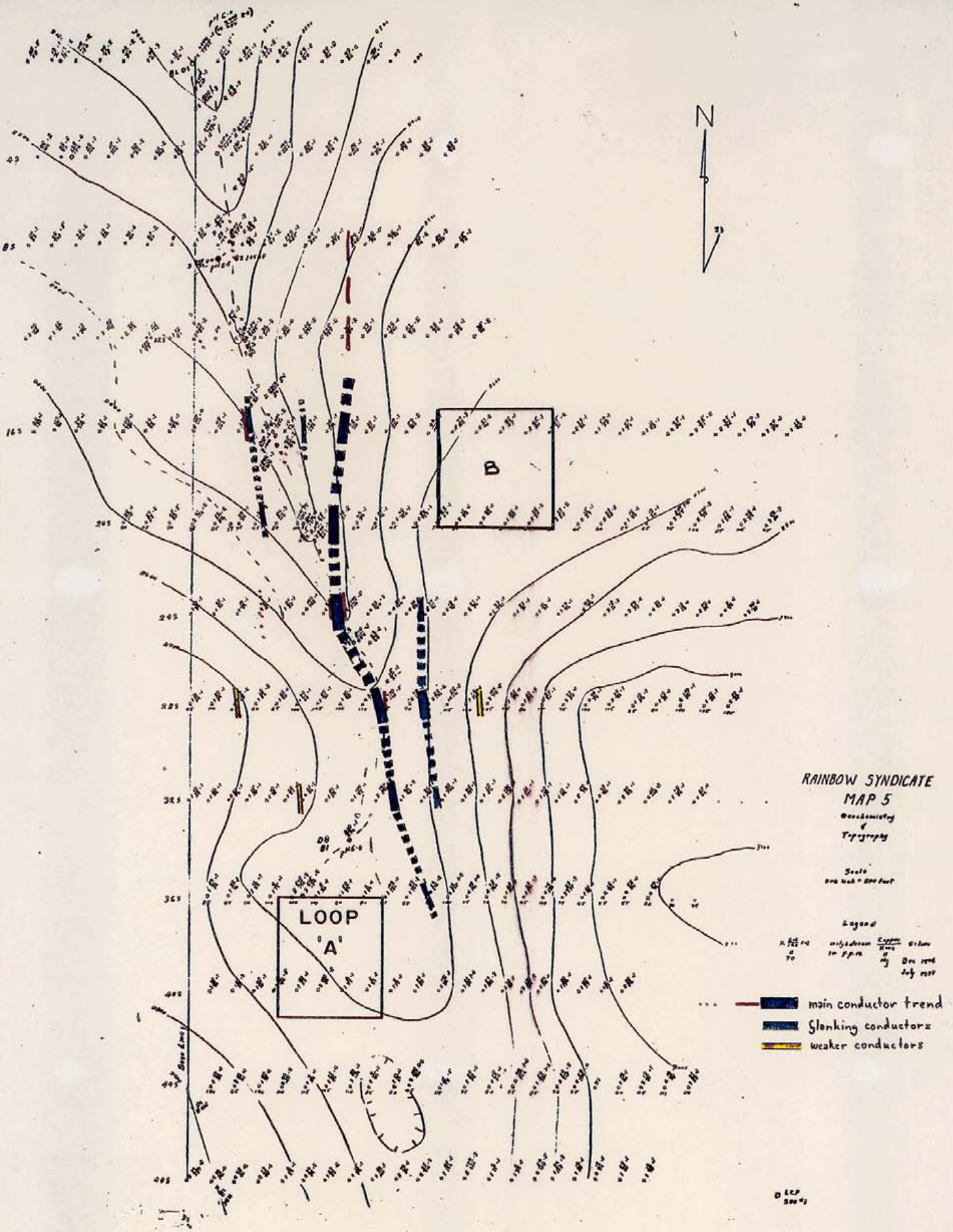
LINE	STAT		LOOP	B							
16S	100W	VER:	-59	-35	-16	-14	-7	-7	-4	2	0.42
		HOR:	-178	-64	-19	-4	-4	-2	2	4	
16S	0E	VER:	-90	-38	-18	-12	-5	-2	0	1	1.00
		HOR:	-190	-64	-20	-3	4	7	8	4	
16S	100E	VER:	-110	-39	-17	-11	-4	-2	0	-2	1.00
		HOR:	-160	-55	-16	-6	-2	-2	-2	-4	
16S	200E	VER:	-150	-52	-22	-15	-10	-8	-9	-13	1.00
		HOR:	-230	-58	-14	-4	-1	-2	-4	-7	
16S	300E	VER:	-79	-110	-27	-14	-6	-3	0	-1	1.00
		HOR:	-160	-120	-22	-5	-1	2	3	4	
16S	400E	VER:	-200	-63	-22	-12	-5	-1	1	1	1.00
		HOR:	-200	-52	-14	-5	-2	0	3	3	
16S	500E	VER:	-120	-46	-20	-13	-8	-5	-3	-3	1.00
		HOR:	-100	-34	-11	-4	-1	1	2	3	
16S	600E	VER:	-77	-28	-11	-7	-3	0	2	0	1.00
		HOR:	-48	-16	-5	-2	0	0	2	-1	
16S	700E	VER:	-42	-16	-7	-5	-2	0	1	-1	1.00
		HOR:	-16	-9	-3	-1	1	2	4	8	
16S	800E	VER:	-18	-9	-4	-3	0	1	3	1	1.00
		HOR:	-6	-5	-1	-1	1	1	3	2	
16S	900E	VER:	-12	-5	-2	-1	1	2	3	1	1.00
		HOR:	-2	-2	-1	-1	1	1	3	6	
16S	1000E	VER:	-4	-3	-2	-2	-1	0	1	0	1.00
		HOR:	0	0	0	0	1	1	2	0	
16S	1100E	VER:	0	-1	-1	-1	0	2	1	2	1.00
		HOR:	0	0	0	0	1	1	2	1	

LINE	STAT		LOOP	B							
20S	0E	VER:	-76	-35	-20	-14	-9	-3	1	4	1.00
		HOR:	-110	-43	-15	-15	-20	-32	-37	-28	
20S	100E	VER:	-77	-28	-11	-10	-8	-7	-4	2	1.00
		HOR:	-120	-38	-12	-5	-3	-3	-3	-3	
20S	200E	VER:	-74	-29	-13	-7	-4	-1	2	1	1.00
		HOR:	-95	-34	-11	-3	0	2	2	-2	

CHANNEL			1	2	3	4	5	6	7	8	GAIN
20S	300E	VER:	-97	-34	-13	-7	-4	-1	2	-1	1.00
		HOR:	-106	-30	-7	-2	1	2	4	4	
20S	400E	VER:	-108	-36	-14	-7	-3	-1	1	0	1.00
		HOR:	-98	-30	-4	5	13	18	25	24	
20S	500E	VER:	-200	-56	-17	-10	-4	-2	0	-1	1.00
		HOR:	-150	-43	-10	-3	1	2	4	4	
20S	600E	VER:	-103	-34	-13	-6	-3	0	3	2	1.00
		HOR:	-61	-22	-5	-2	0	1	3	0	
20S	700E	VER:	-48	-18	-12	-12	-6	-4	-2	-5	1.00
		HOR:	-26	-14	-5	-3	0	0	1	1	
20S	800E	VER:	-38	-14	-6	-4	-1	0	2	0	1.00
		HOR:	-13	-7	-2	-2	0	1	4	3	
20S	900E	VER:	-18	-9	-5	-11	-15	-17	-16	-11	1.00
		HOR:	-4	-1	2	-2	-3	-6	-6	3	
20S	1000E	VER:	-8	-4	-2	-1	0	1	2	1	1.00
		HOR:	-1	-1	0	0	1	1	3	1	
20S	1100E	VER:	-3	-4	-3	-3	-1	0	1	0	1.00
		HOR:	1	0	1	0	3	3	3	6	

LINE	STAT		LOOP 8								
24S	0E	VER:	-80	-37	-18	-11	-6	-3	-1	-1	0.94
		HOR:	-132	-45	-14	-9	-7	-8	-8	-11	
24S	100E	VER:	-98	-36	-16	-11	-5	-2	1	-2	1.00
		HOR:	-140	-47	-14	-5	-3	-3	-3	-5	
24S	200E	VER:	-93	-35	-14	-9	-4	-2	0	-1	1.00
		HOR:	-120	-40	-11	-3	1	2	3	4	
24S	300E	VER:	-107	-38	-15	-10	-4	-2	1	0	1.00
		HOR:	-140	-42	-10	-3	0	0	0	-4	
24S	400E	VER:	-90	-32	-13	-8	-4	-2	1	2	1.00
		HOR:	-92	-27	-5	-5	-6	-10	-7	-1	
24S	500E	VER:	-80	-30	-13	-7	-3	-1	1	1	1.00
		HOR:	-66	-22	-3	0	2	2	3	0	
24S	600E	VER:	-96	-33	-12	-6	-2	0	2	0	1.00
		HOR:	-70	-25	-7	-3	-1	-1	1	4	
24S	700E	VER:	-110	-37	-14	-8	-5	-5	-4	-5	1.00
		HOR:	-66	-22	-6	-3	1	0	-1	5	
24S	800E	VER:	-32	-28	-11	-6	-3	-2	1	-1	1.00
		HOR:	-40	-15	-3	-1	1	0	0	-12	
24S	900E	VER:	-60	-20	-7	-5	-2	-1	1	0	1.00
		HOR:	-22	-3	-2	-1	1	1	2	1	
24S	1000E	VER:	-38	-13	-4	-2	0	0	2	0	1.00
		HOR:	-10	-1	3	3	3	1	2	0	
24S	1100E	VER:	-32	-10	-3	-2	0	0	2	0	1.00
		HOR:	-9	-4	-1	-1	0	-1	0	-1	
24S	1200E	VER:	-19	-7	-3	-1	1	1	2	3	1.00
		HOR:	-4	-1	1	0	0	-1	-1	2	

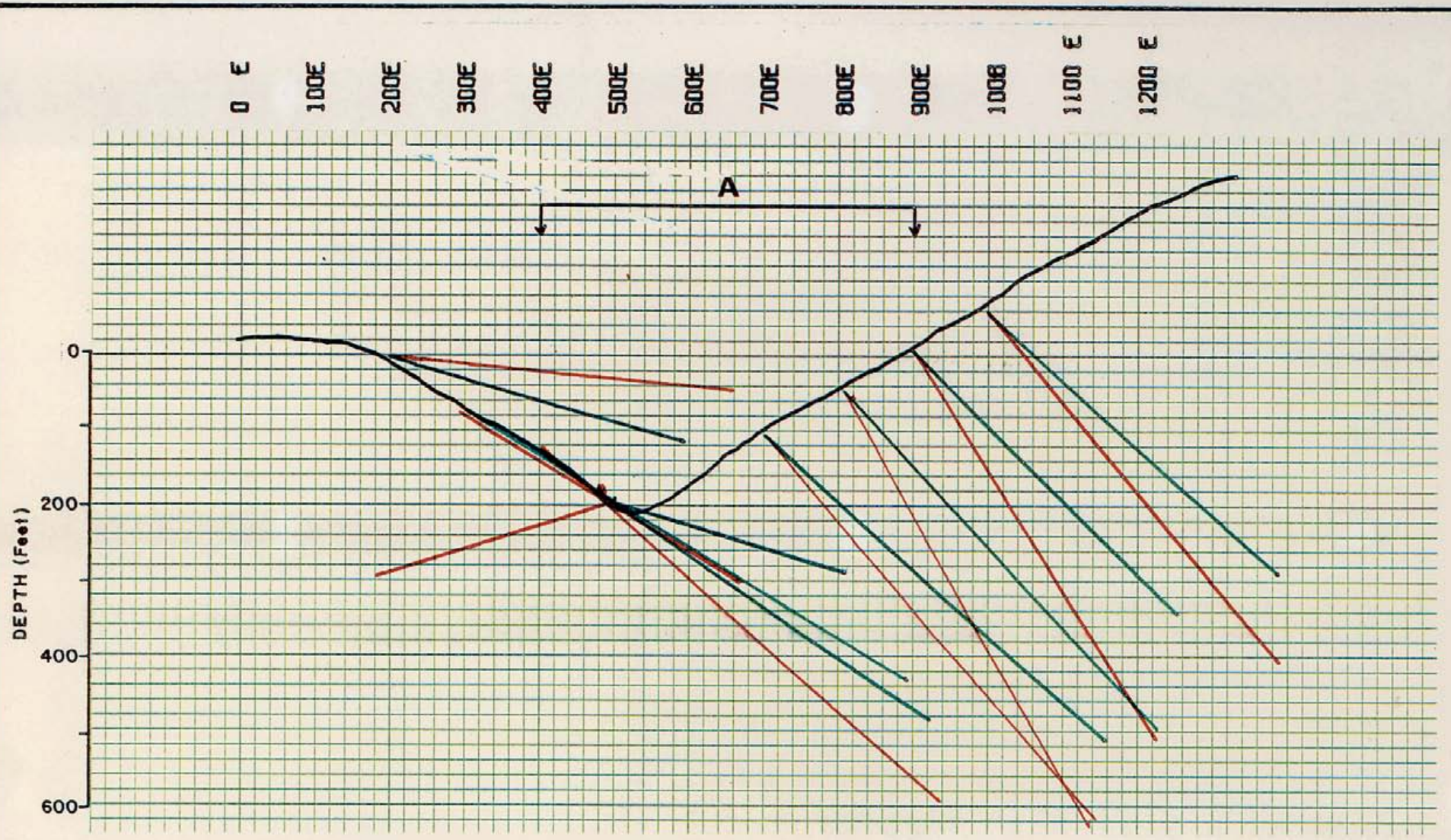
CHANNEL			1	2	3	4	5	6	7	8	GAIN
LINE	STAT		LCCP	8							
28S	0E	VER:	-87	-55	-28	-19	-11	-4	-3	-4	0.63
		HOR:	-238	-82	-20	-6	0	3	6	4	
28S	100E	VER:	-105	-50	-27	-20	-13	-6	-4	-4	0.74
		HOR:	-175	-60	-18	-8	-4	-4	-6	-16	
28S	200E	VER:	-120	-53	-26	-18	-9	-3	3	16	0.83
		HOR:	-156	-60	-25	-12	-2	3	3	7	
28S	300E	VER:	-113	-59	-26	-14	-10	-8	-5	-1	0.97
		HOR:	-164	-56	-15	-8	-1	-2	2	-3	
28S	400E	VER:	-110	-44	-17	-10	-5	-3	0	-1	1.00
		HOR:	-120	-47	-12	-5	-2	-2	-1	-2	
28S	500E	VER:	-150	-58	-21	-12	-6	-3	0	-2	1.00
		HOR:	-180	-61	-18	-6	0	3	4	-2	
28S	600E	VER:	-150	-57	-16	-10	-6	-4	-1	-1	1.00
		HOR:	-170	-52	-12	-6	-4	-8	-10	-8	
28S	700E	VER:	-180	-65	-20	-10	-4	-2	0	-1	1.00
		HOR:	-110	-48	-10	-4	-2	-3	-3	-7	
28S	800E	VER:	-160	-54	-18	-9	-4	-2	2	2	1.00
		HOR:	-100	-28	-4	-3	-4	-7	-6	3	
28S	900E	VER:	-250	-77	-21	-10	-4	-2	0	0	1.00
		HOR:	-110	-34	-10	-3	-1	0	1	-1	
28S	1000E	VER:	-175	-55	-17	-8	-3	-1	1	1	1.00
		HOR:	-62	-22	-7	-4	-1	0	0	-1	
28S	1100E	VER:	-150	-46	-14	-6	-2	0	3	2	1.00
		HOR:	-62	-20	-6	-4	-2	-2	-3	-2	
28S	1200E	VER:	-110	-53	-14	-6	-3	-1	1	-1	1.00
		HOR:	-66	-16	-4	-1	0	-1	-1	-1	
28S	1300E	VER:	-83	-28	-10	-5	-1	0	2	0	1.00
		HOR:	-20	-11	-5	-4	-2	-3	-3	-10	



Glen E. Wilde
geophysical consulting
services ltd.

— LOOP LOCATION —

FIG. 2



LOOP

-VECTORS-

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4

RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER

LINE 20S A

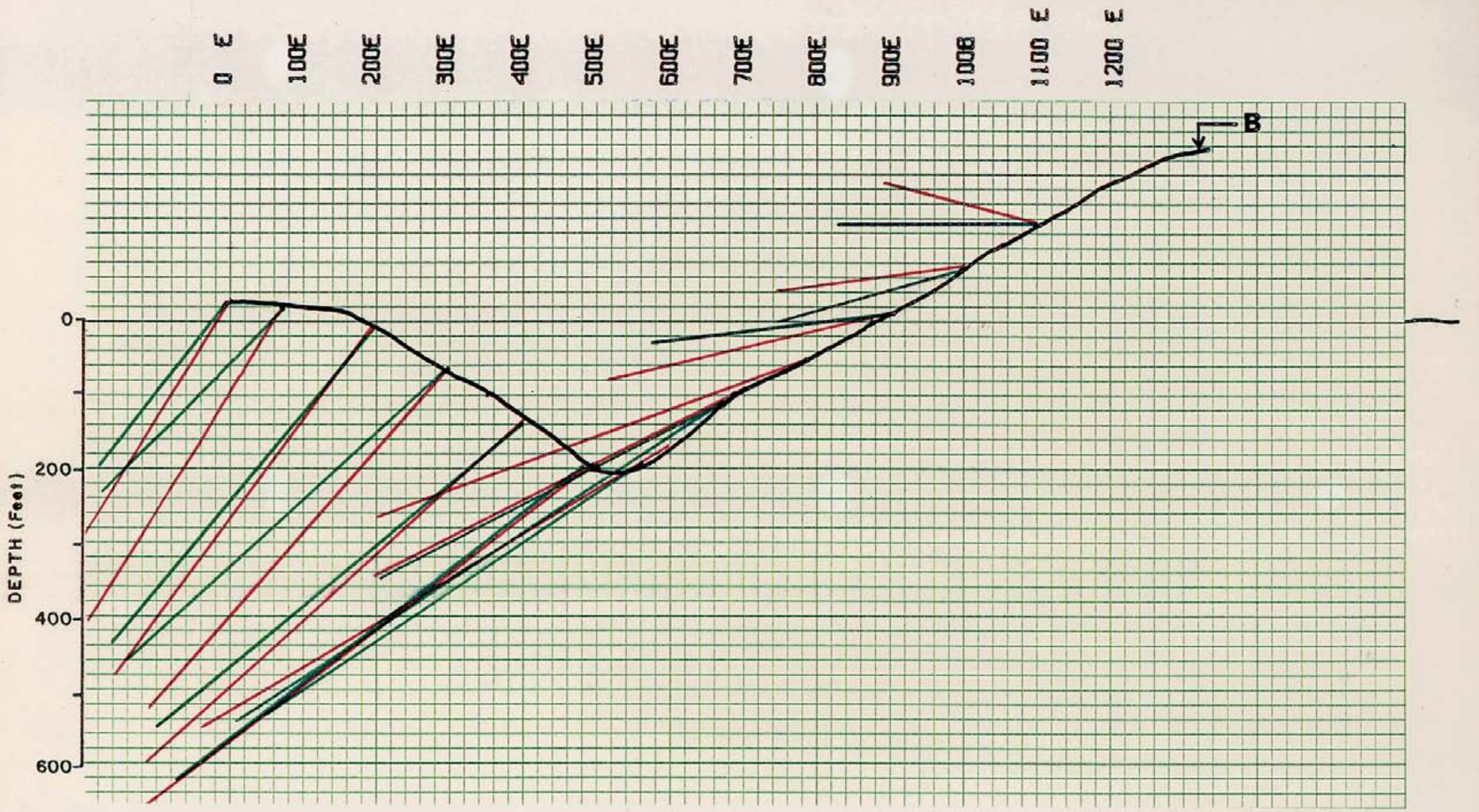
—INSTRUMENT: CRONE P.E.M.—

CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

Glen E. Wiles
geophysical consulting
services ltd.

Scale: 1" = 200'

FIG.15



LOOP

+ +

—VECTORS—

CHANNEL 1
CHANNEL 2
CHANNEL 3
CHANNEL 4

RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER

LINE 20S +8

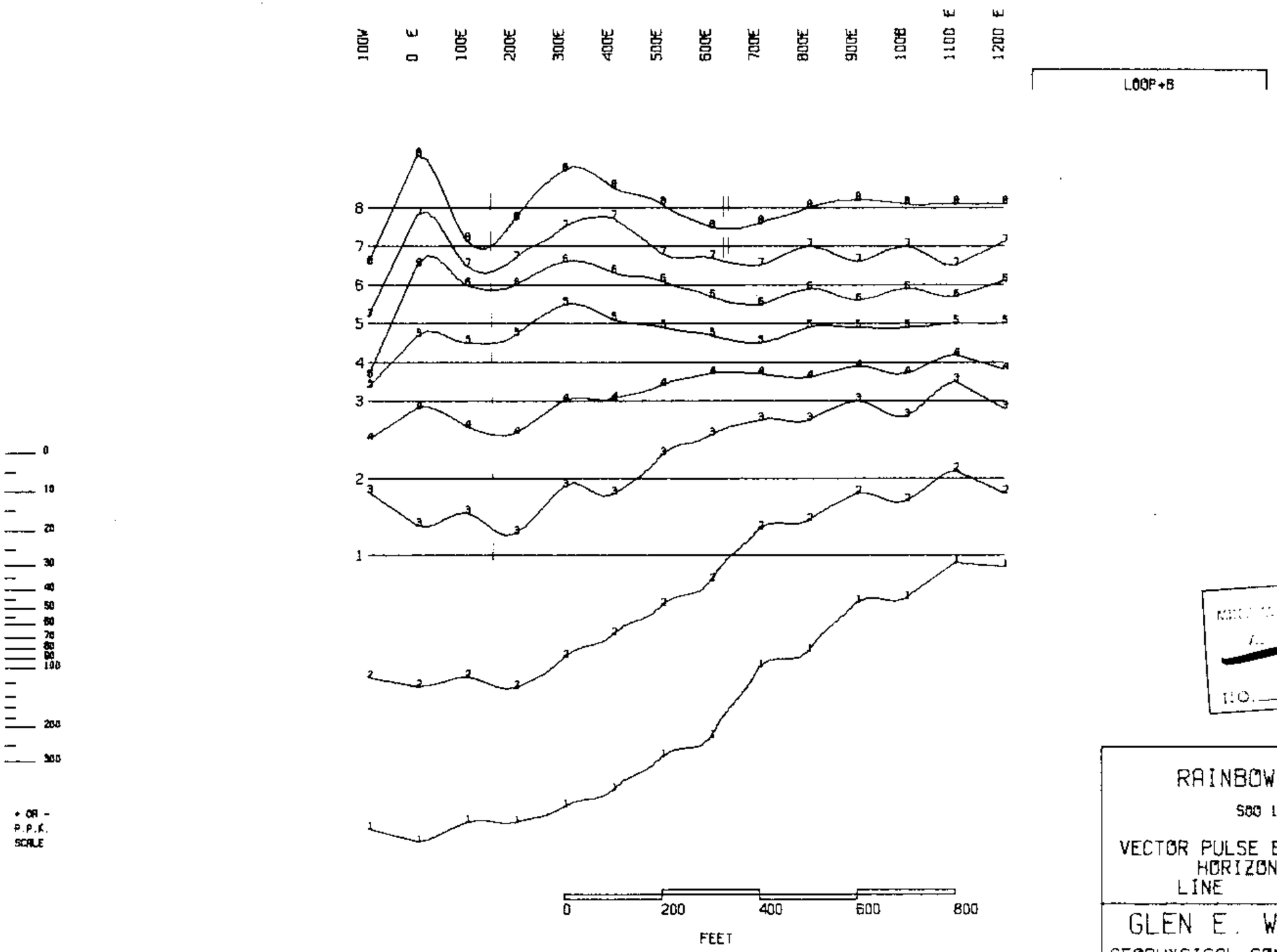
—INSTRUMENT: CRONE P.E.M.—

CHANNEL 5
CHANNEL 6
CHANNEL 7
CHANNEL 8

Geo. E. White geophysical consulting ... ltd.

Scale: 1" = 200'

FIG.16



RAINBOW SYNDICATE

580 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE BS +B

GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.

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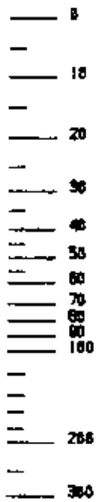
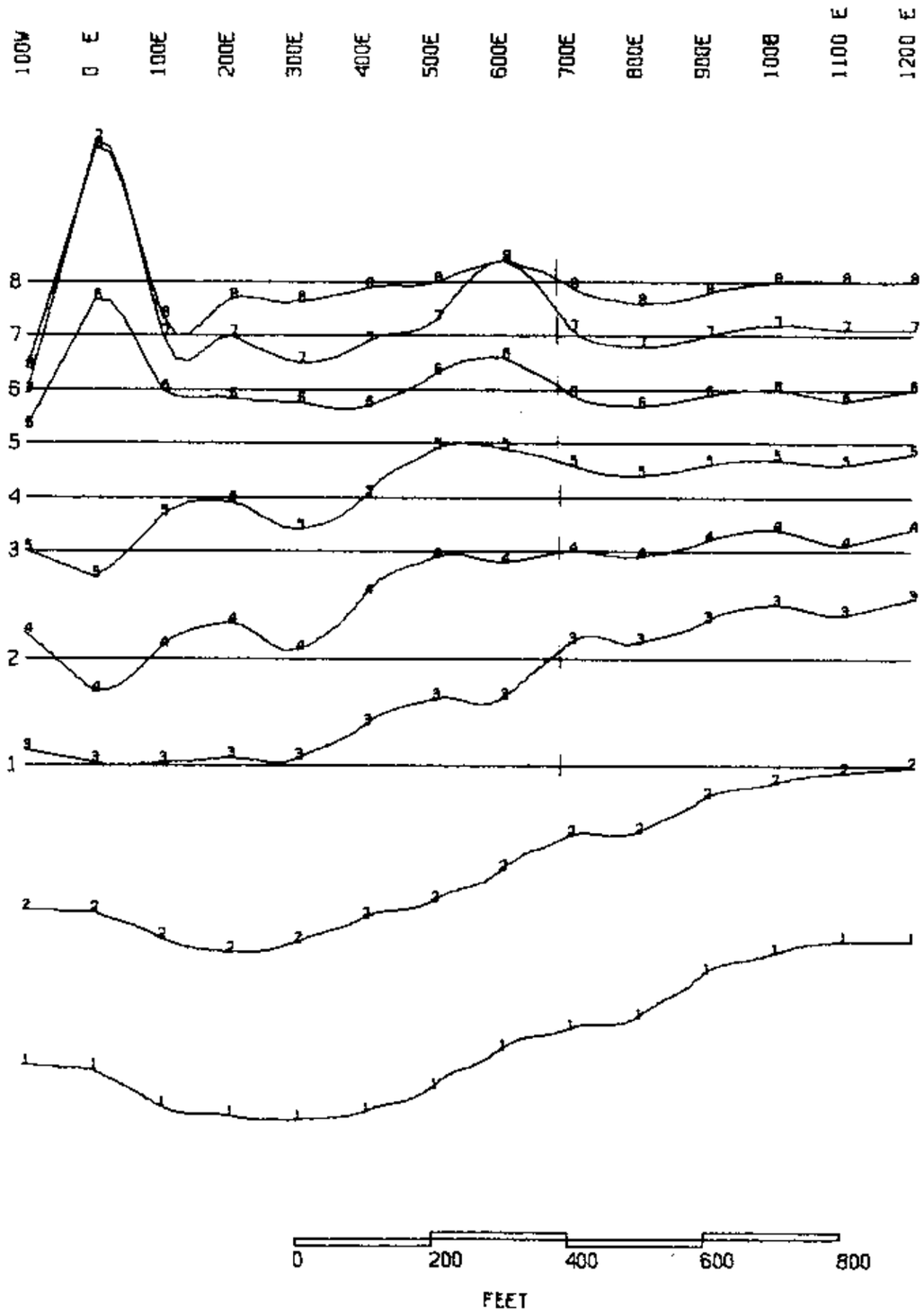
FIG.NO: 3



+ OR -
P.P.K.
SCALE



LOOP+B

NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

RAINBOW SYNDICATE

500 ± CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 8S +B

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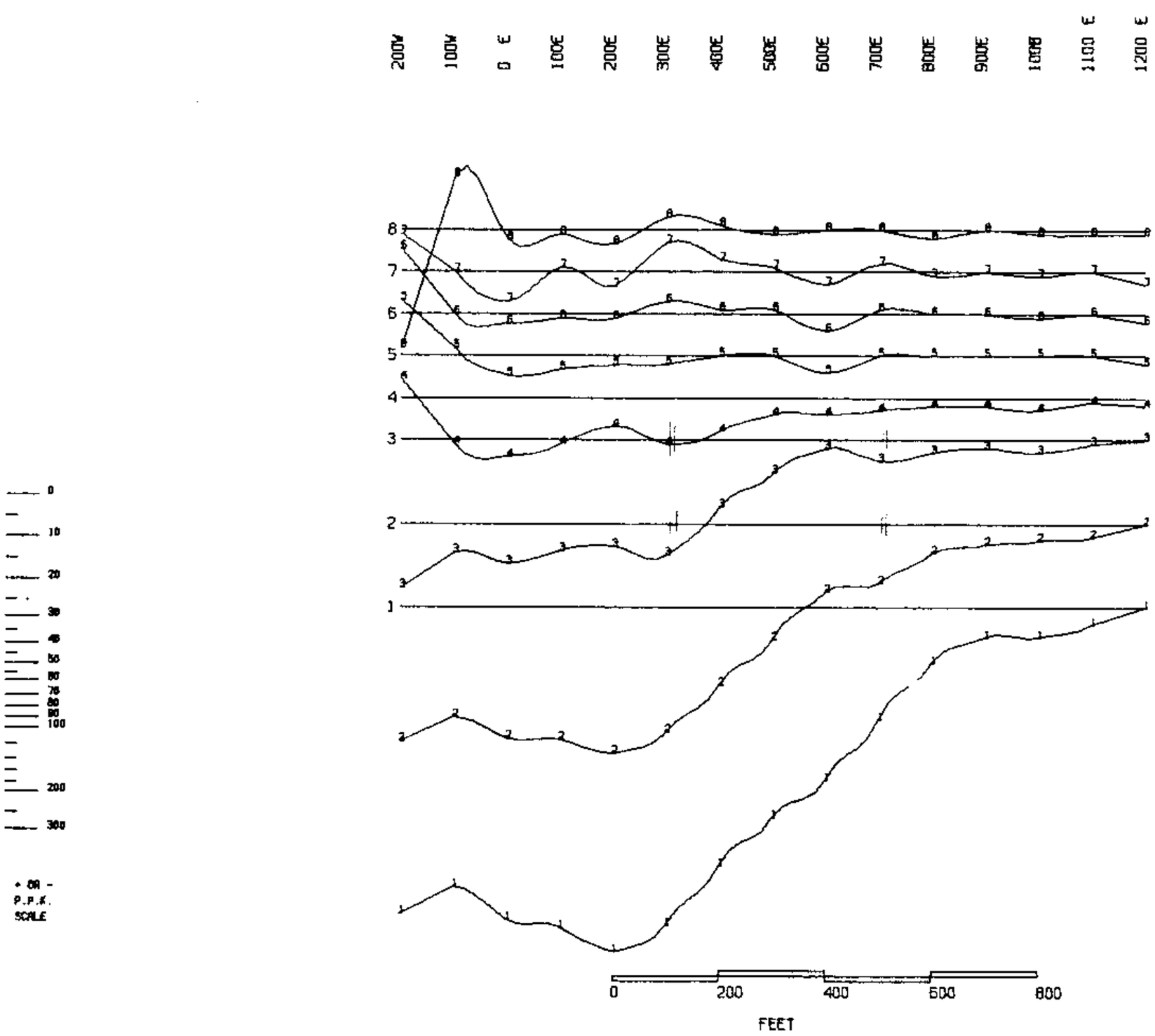
FIG.NO: 4



NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 12S +8

GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.

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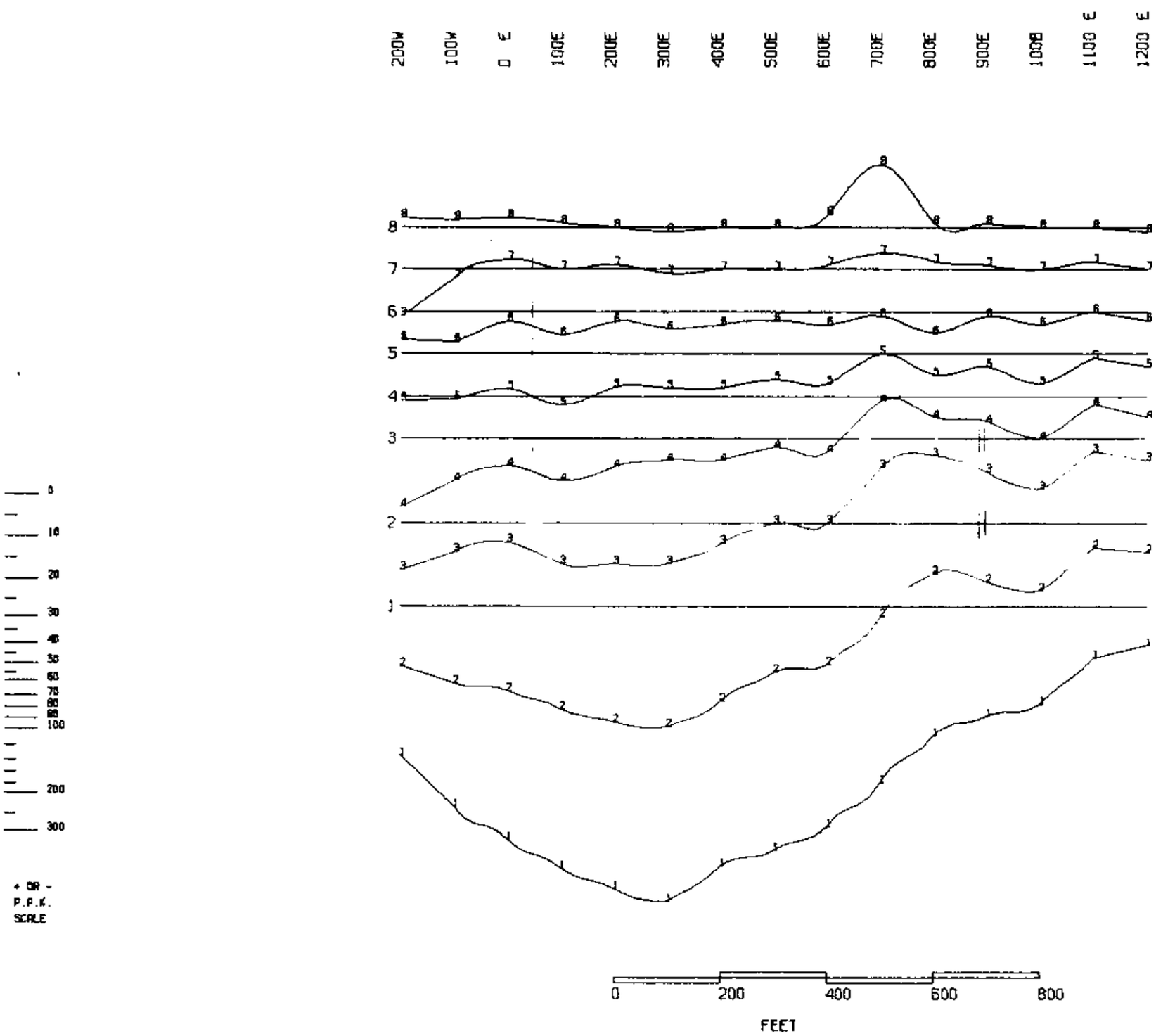
DATE 19 JULY 1979

FIG.NO: 5



NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 711

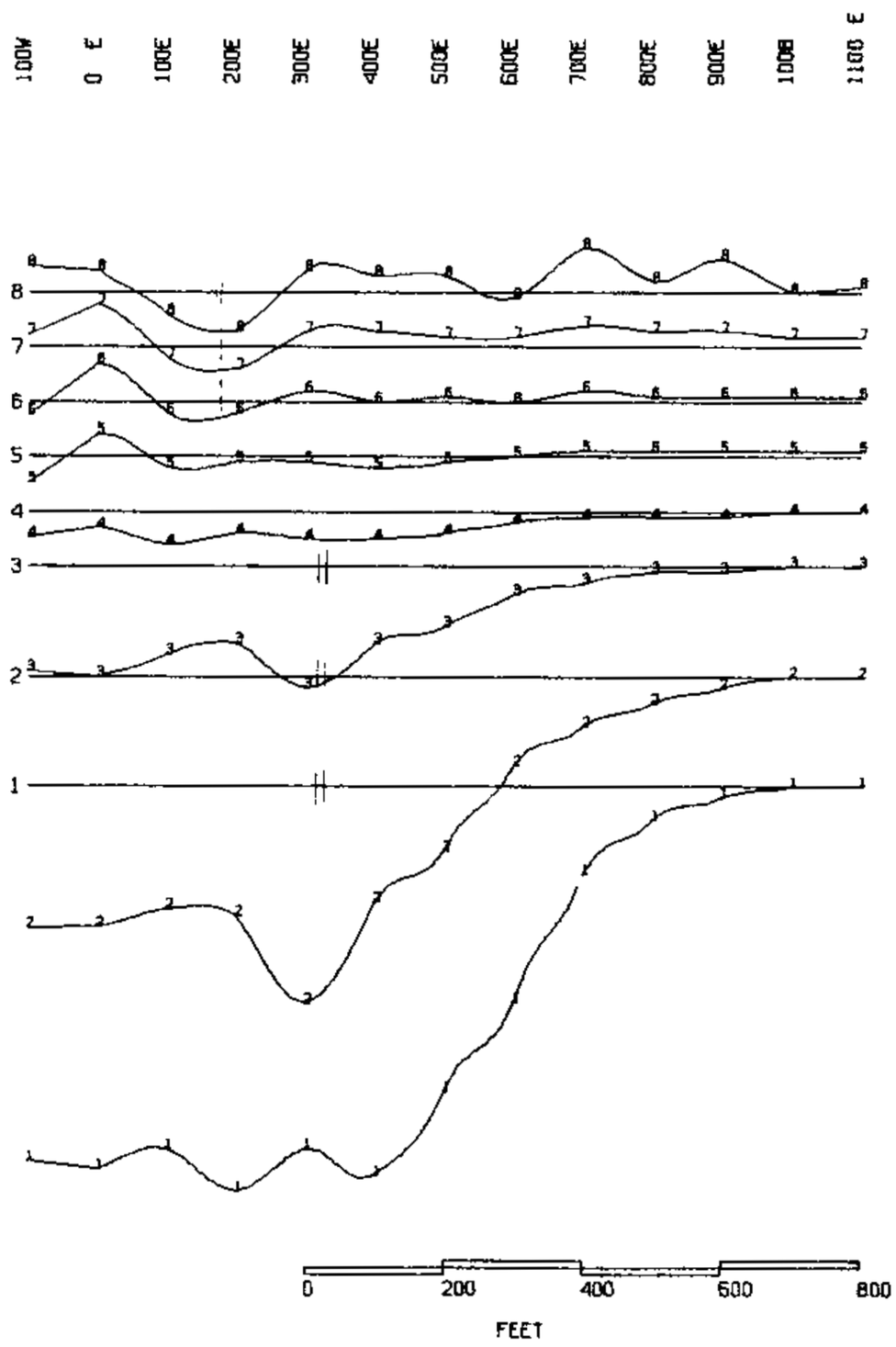
RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 12S +8

GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.

N.T.S. 92 J/2 W
DATE 18 JULY 1979
FIG.NO: 6



NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 16S +8

GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.

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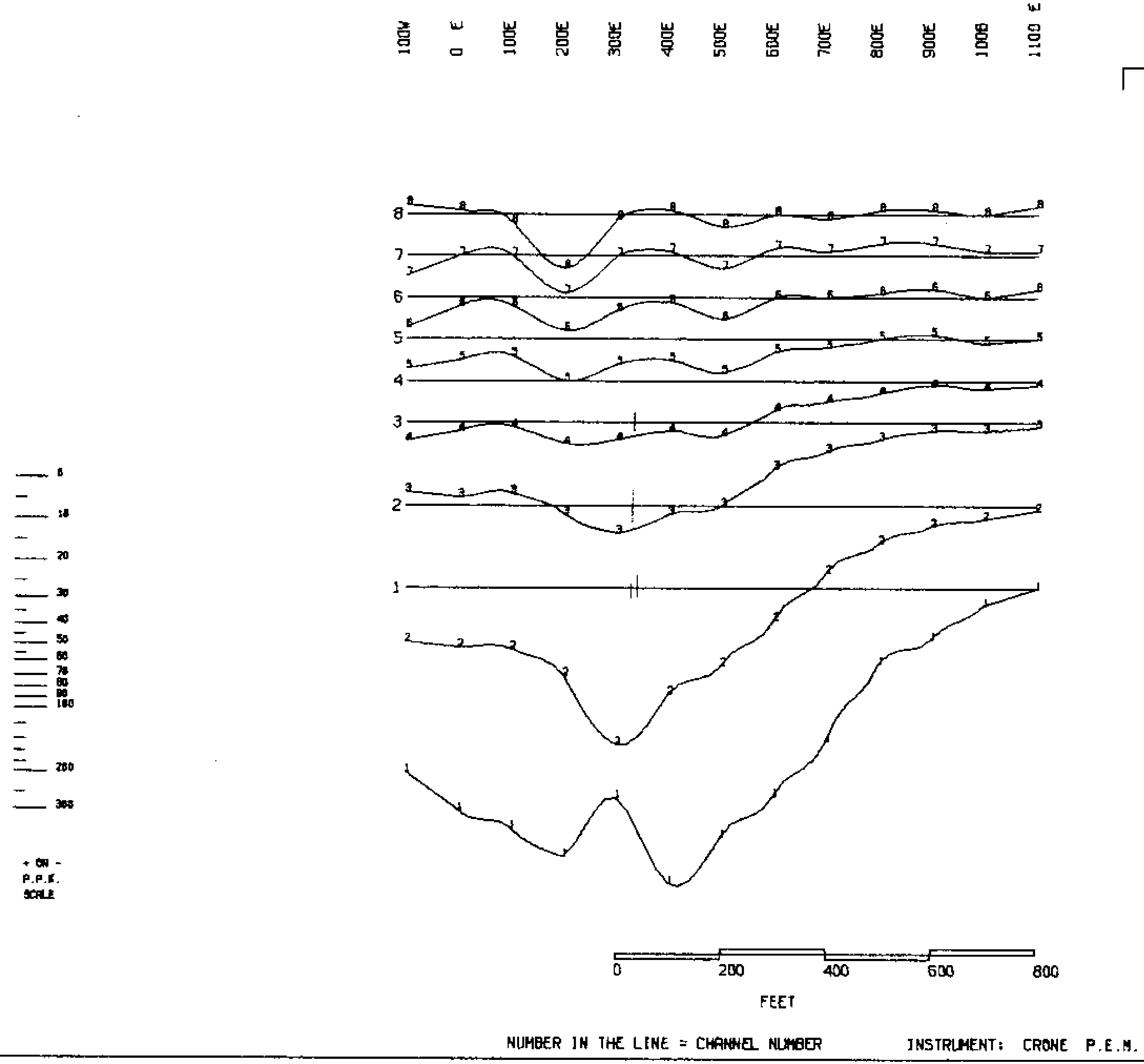
DATE 10 JULY 1979

FIG.NO: 7



MINERAL RESOURCES BRANCH

NO. 7711

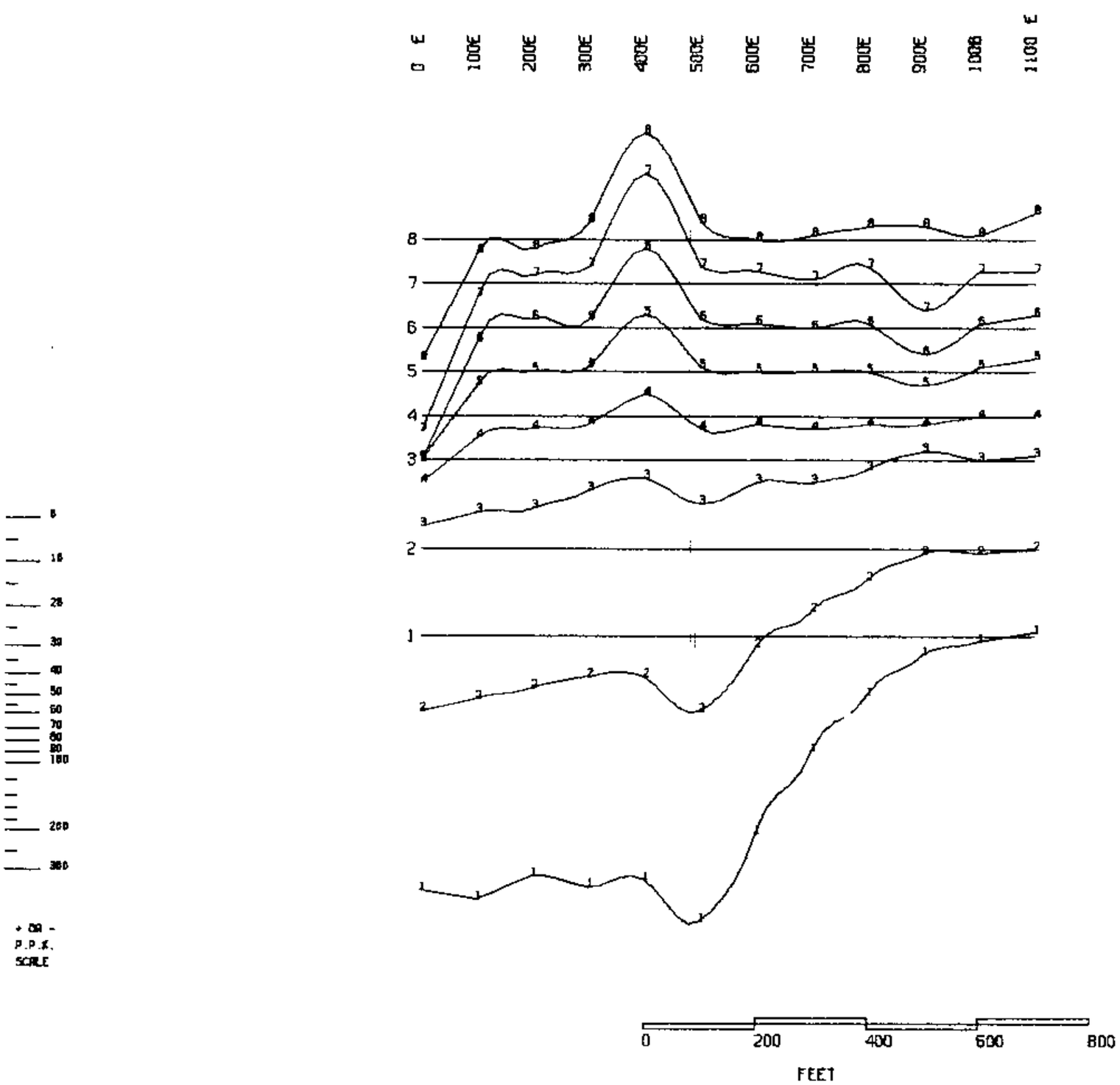
RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 16S +B

GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.

N.T.S. 92 J/2 W
DATE 10 JULY 1979
FIG.NO: 8



LOOP→B

MINERAL RESOURCES BRANCH
ASSESSMENT
NO. 770

NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 20S +B

GLEN E. WHITE
GEOPHYSICAL CONSULTING
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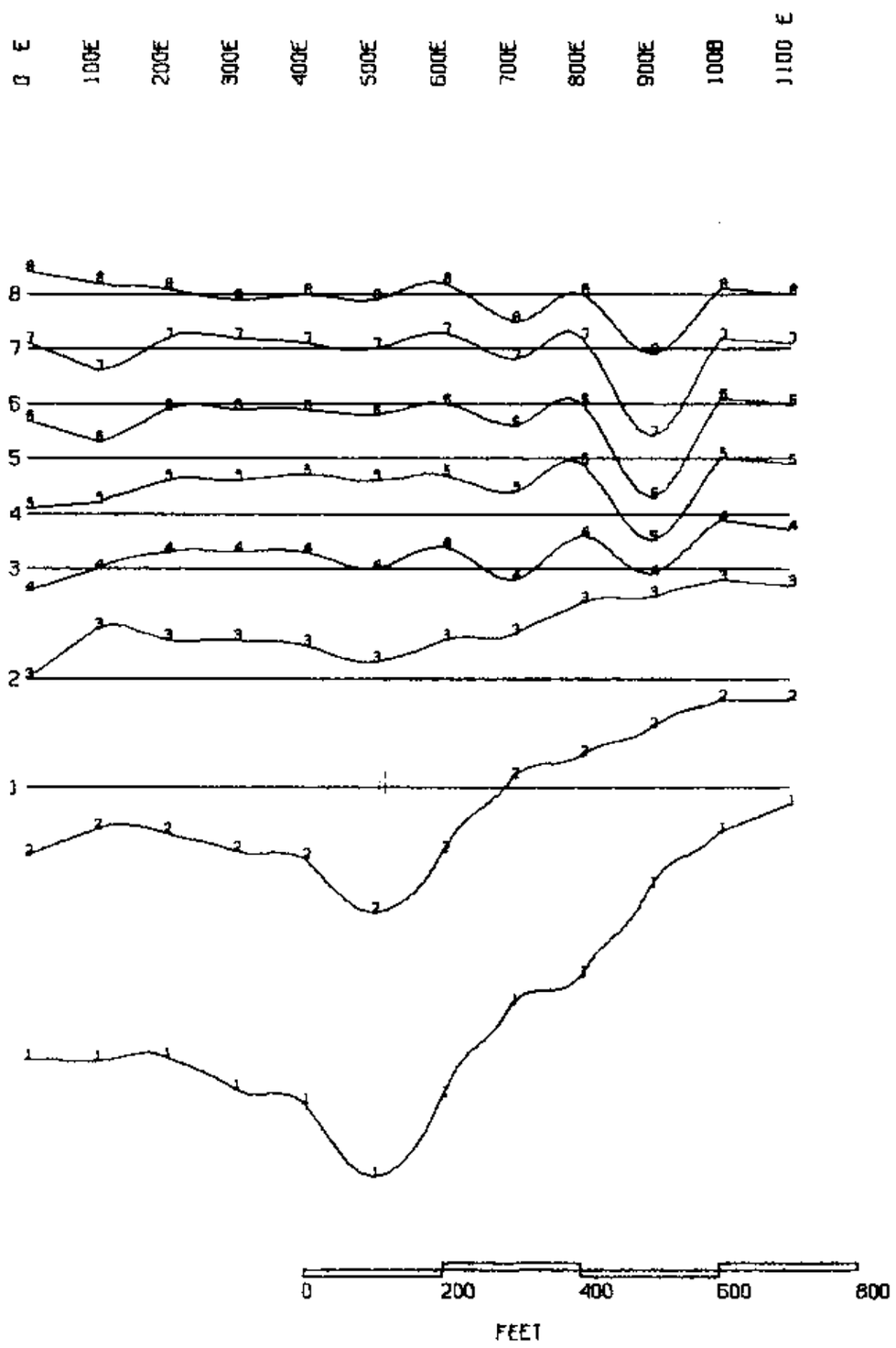
DATE 18 JULY 1979
FIG.NO: 9



LOOP+B

8
18
20
30
40
50
60
70
80
90
100
200
300

+ OR -
P.P.K.
SCALE

NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7711

RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 20S +B

GLEN E. WHITE
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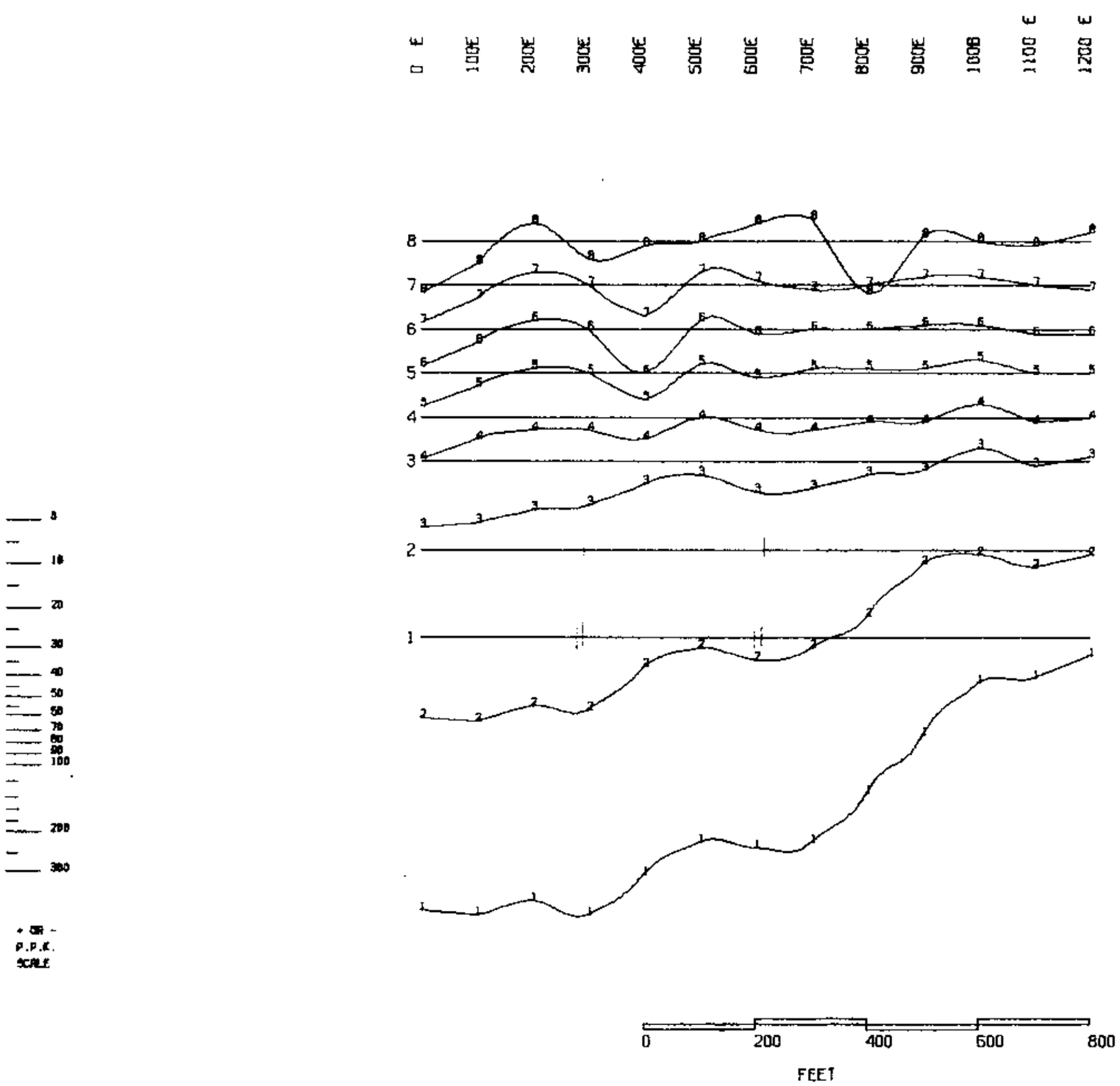
DATE 19 JULY 1979
FIG.NO: 10



NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 24S +B

GLEN E. WHITE
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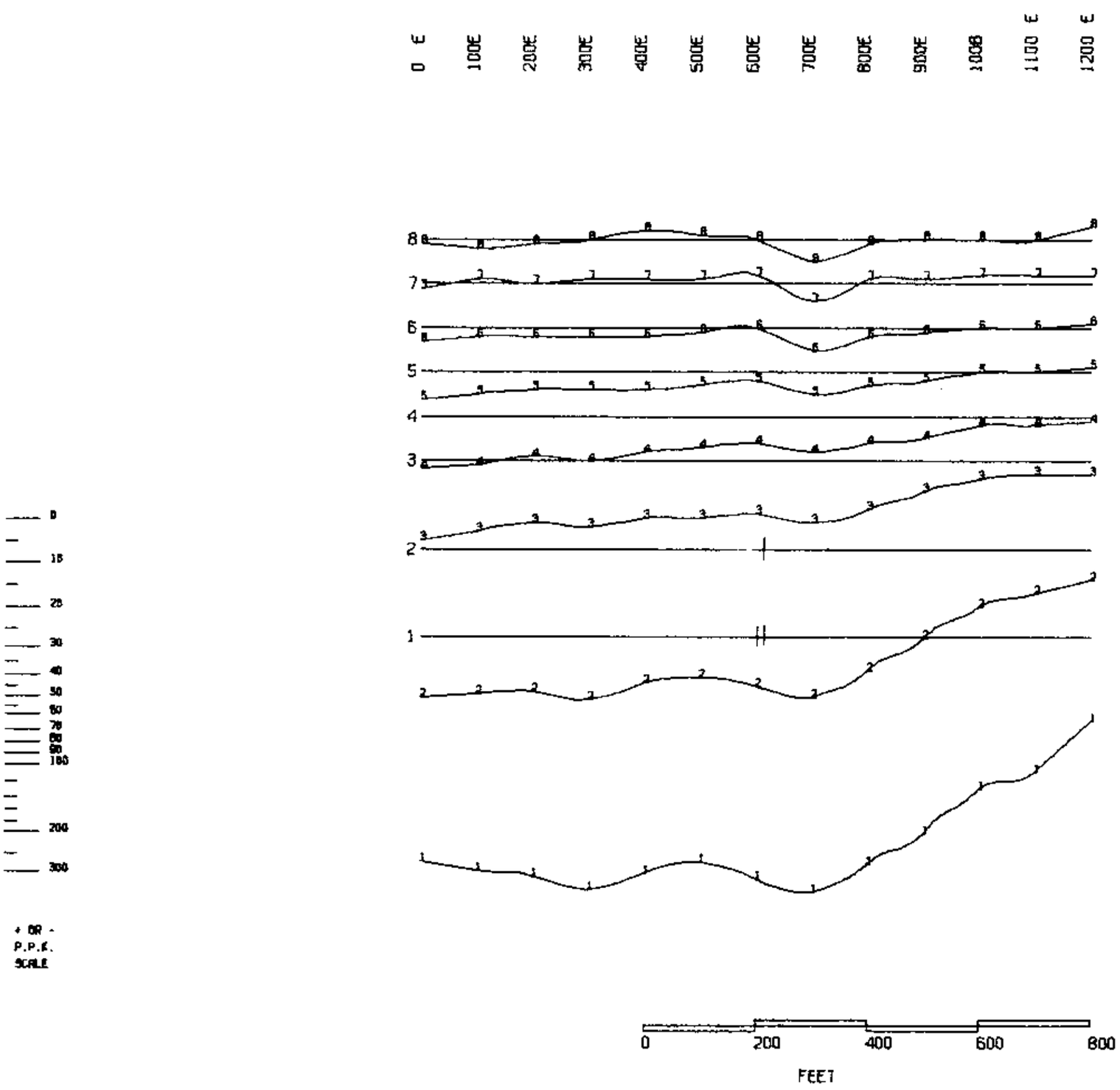
FIG.NO: 11



NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 7711

RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 24S +8

GLEN E. WHITE
GEOPHYSICAL CONSULTING
& SERVICES LTD.

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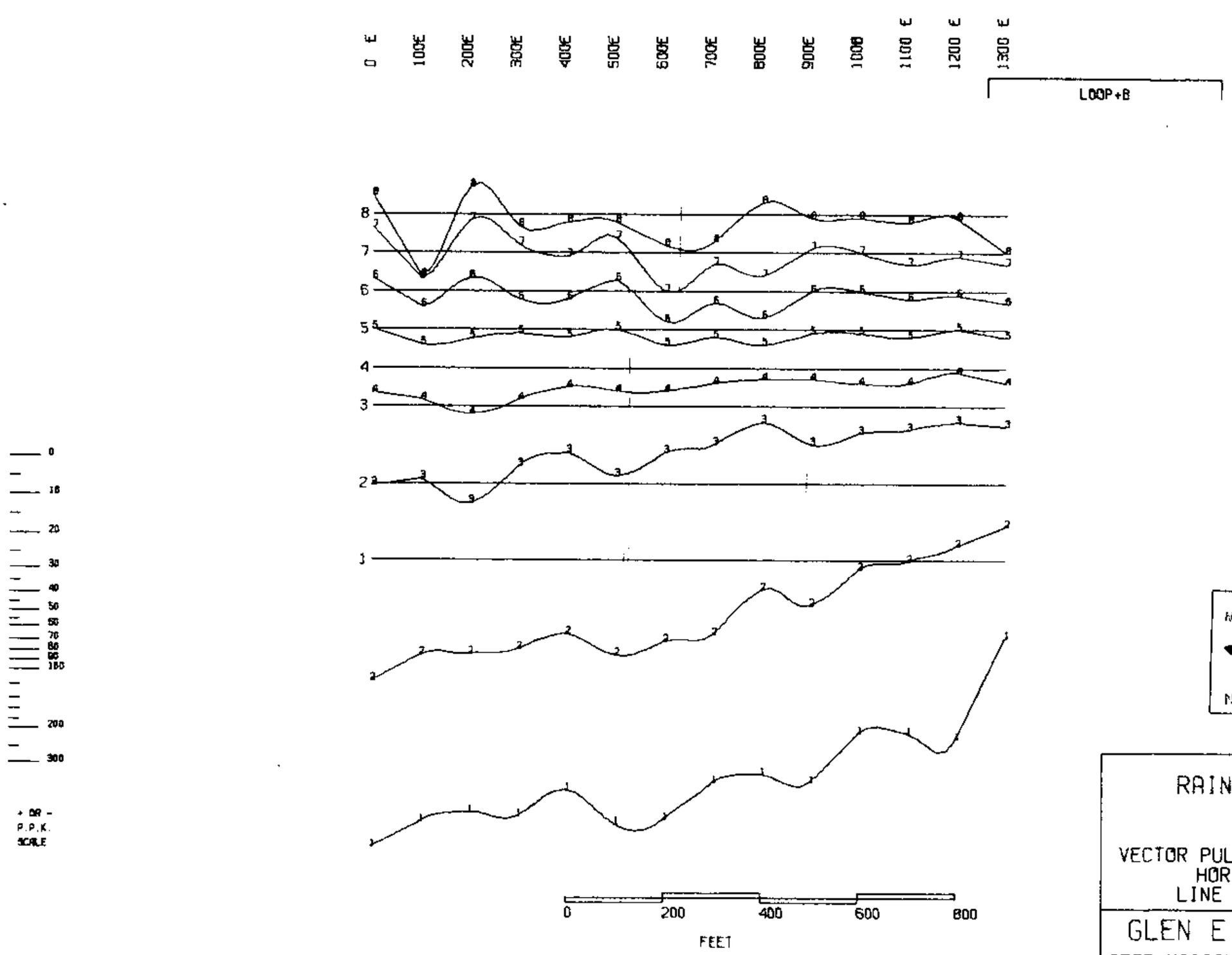
FIG.NO: 12



NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 28S +8

GLEN E. WHITE
GEOPHYSICAL CONSULTING
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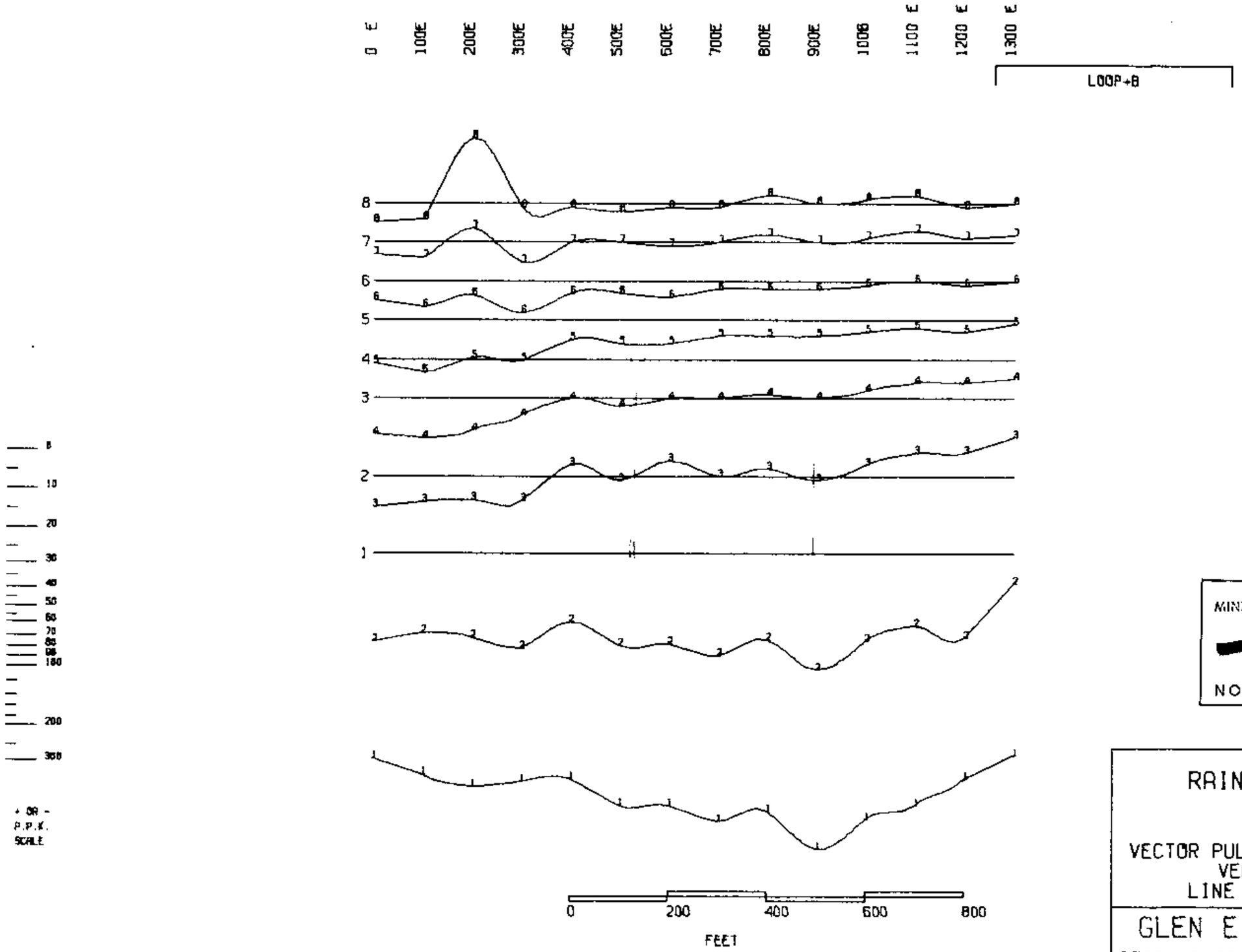
DATE 18 JULY 1978

FIG.NO: 13



NUMBER IN THE LINE = CHANNEL NUMBER

INSTRUMENT: CRONE P.E.M.

RAINBOW SYNDICATE

500 1 CLAIMS

VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 28S +B

GLEN E. WHITE
GEOPHYSICAL CONSULTING
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DATE 19 JULY 1979

FIG.NO: 14